

FIG. 1

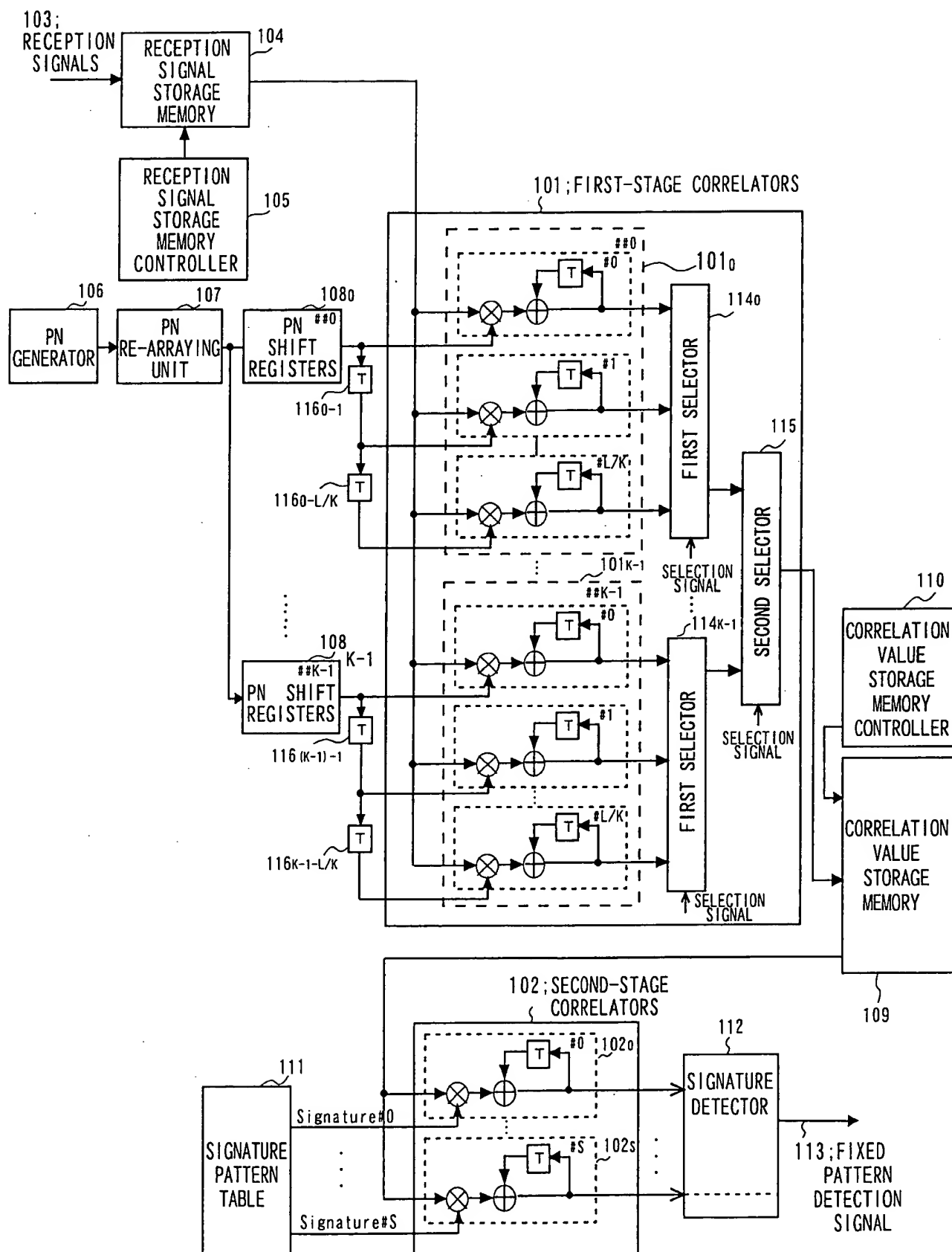


FIG . 2

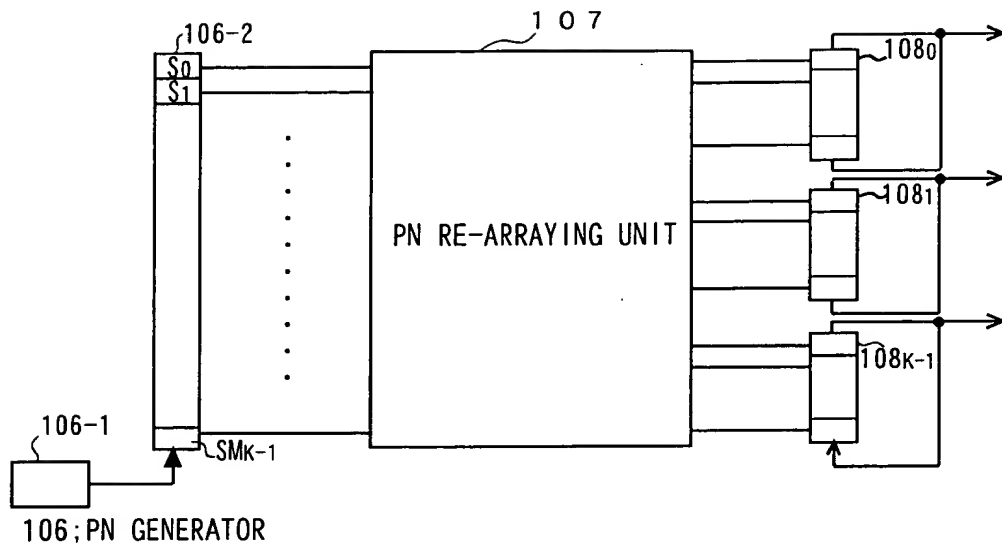


FIG . 3

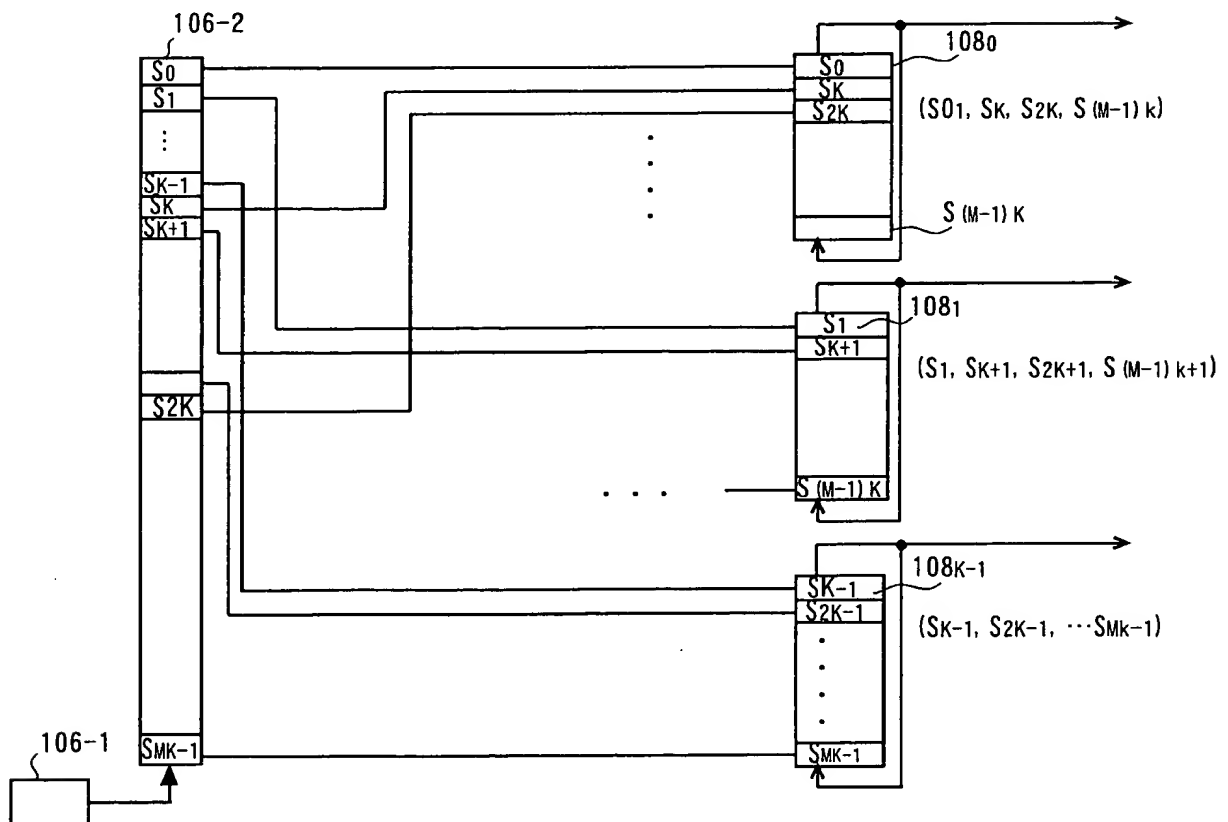


FIG. 5

	CORRELATOR BLOCK						
	#0	#1	#2	#L/K	#0	#1	#2
#0	C_0S_0	C_KS_K	$C_{2K}S_{2K}$	$C_{(M-1)KS_{(M-1)K}}$	$C_{(M-1)KS_{(M-1)K}}$	$C_{(M+1)KS_{(M+1)K}}$	$C_{L+(M-1)KS_{(M-1)K+1}}$
		C_KS_0	$C_{2K}S_K$	$C_{(M-1)KS_{(M-2)K}}$	$C_{(M-1)KS_{(M-2)K}}$	$C_{(M+1)KS_{(M-1)K}}$	
			$C_{2K}S_0$	$C_{(M-1)KS_{(M-3)K}}$	$C_{(M-1)KS_{(M-3)K}}$		
				C_LS_0			
#1	C_0S_1	C_KS_{K+1}	$C_{2K}S_{2K+1}$	$C_{(M-1)KS_{(M-1)K+1}}$	$C_{(M-1)KS_{(M-1)K+1}}$		
		C_KS_1	$C_{2K}S_{K+1}$			$C_{(M+1)KS_{(M-1)K+1}}$	
#2	C_0S_2	C_KS_{K+2}	$C_{2K}S_{2K+2}$	$C_{(M-1)KS_{(M-1)K+2}}$	$C_{(M-1)KS_{(M-1)K+2}}$		
		C_KS_2	$C_{2K}S_{K+2}$				
#L/K	C_LS_0						
#K-1	C_0S_{K-1}	C_KS_{2K-1}	$C_{2K}S_{3K-1}$	$C_{(M-1)KS_{MK-1}}$	$C_{(M-1)KS_{MK-1}}$		
		C_KS_{K-1}	$C_{2K}S_{2K-1}$			$C_{MK}S_{MK-1}$	
#L/K	C_LS_{K-1}						

FIG. 7

		1	2	....	K
CORRELATOR BLOCK # #0	CORRELATOR #0	$D_0 U_0$	$D_1 U_0$	....	$D_{K-1} U_0$
	CORRELATOR #1	$D_K U_0$	$D_{K+1} U_0$	....	$D_{2K-1} U_0$
	CORRELATOR #2	$D_{2K} U_0$	$D_{2K+1} U_0$	....	$D_{3K-1} U_0$
	:	:	:	:
	CORRELATOR #L/K	$D_L U_0$	$D_{L+1} U_0$	....	$D_{L+K-1} U_0$
CORRELATOR BLOCK # #1	CORRELATOR #0	$D_{-1} U_1$	$D_0 U_1$	....	$D_{K-2} U_1$
	CORRELATOR #1	$D_{K-1} U_1$	$D_K U_1$	....	$D_{2K-2} U_1$
	CORRELATOR #2	$D_{2K-1} U_1$	$D_{2K} U_1$	....	$D_{3K-2} U_1$
	:	:	:	:
	CORRELATOR #L/K	$D_{L-1} U_1$	$D_L U_1$	....	$D_{L+K-2} U_1$
≈ : ≈ : ≈ : ≈ : ≈					
CORRELATOR BLOCK # #K-1	CORRELATOR #0	$D_{-(K-1)} U_{K-1}$	$D_{-K+2} U_{K-1}$	....	$D_0 U_{K-1}$
	CORRELATOR #1	$D_1 U_{K-1}$	$D_2 U_{K-1}$	....	$D_K U_{K-1}$
	CORRELATOR #2	$D_{K+1} U_{K-1}$	$D_{K+2} U_{K-1}$	$D_{2K} U_{K-1}$
	:	:	:	:
	CORRELATOR #L/K	$D_{L-(K-1)} U_{K-1}$	$D_{L-K+2} U_{K-1}$	$D_L U_{K-1}$

FIG . 8(a)

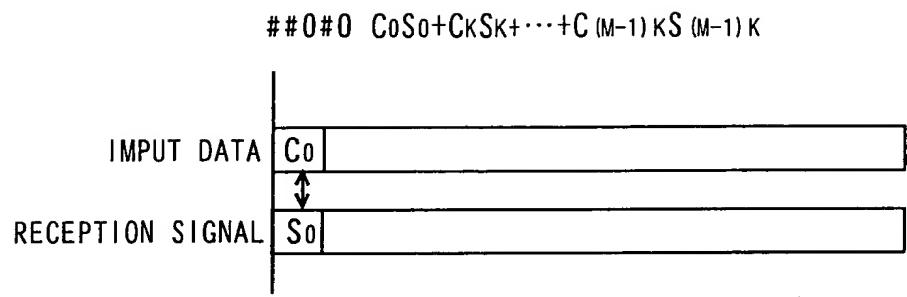
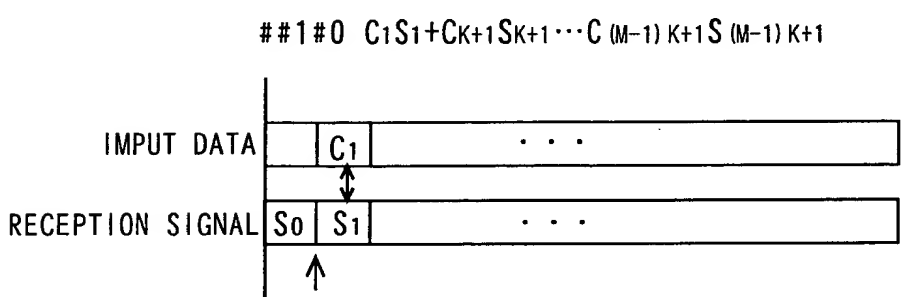


FIG . 8(b)



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FIG. 9

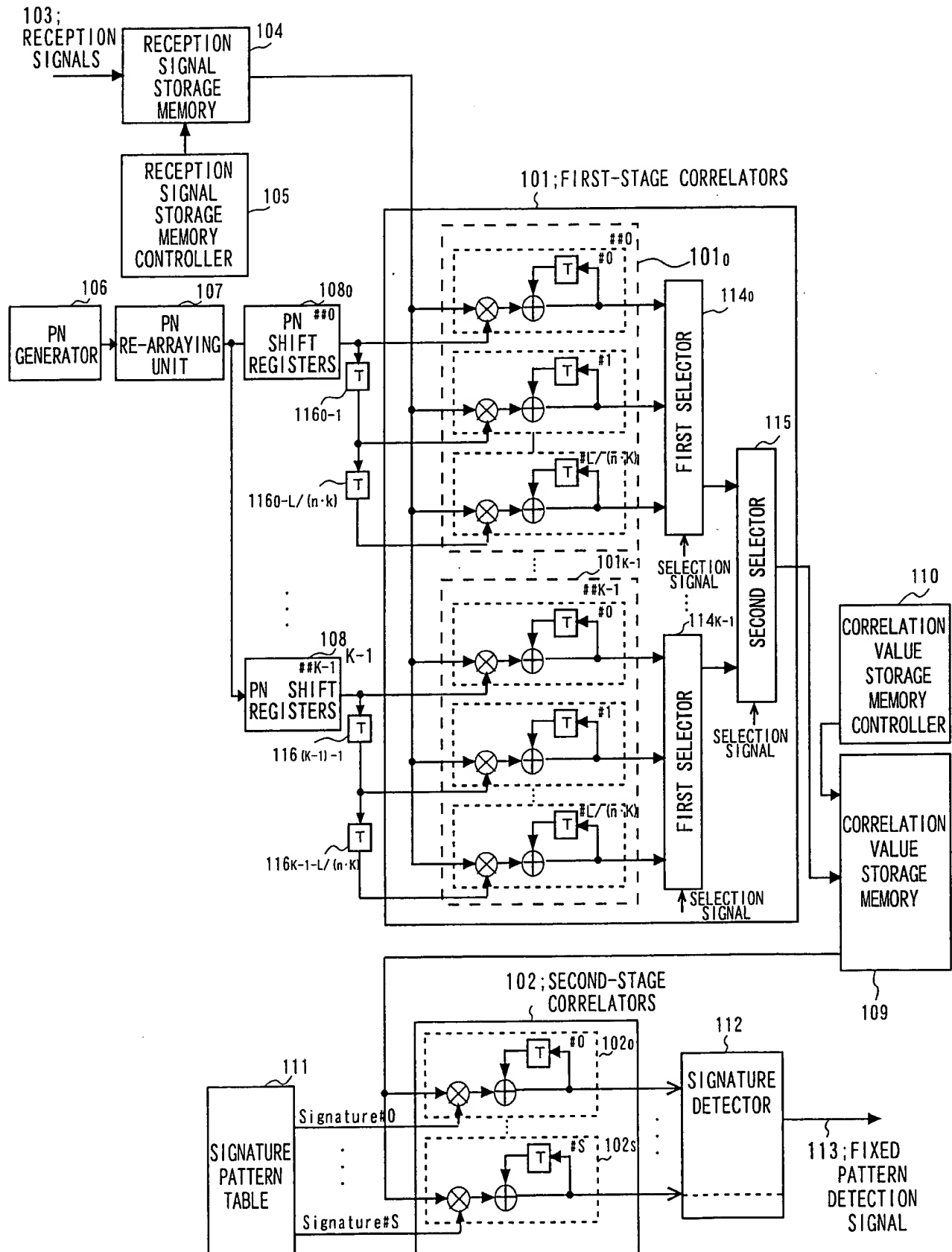


FIG. 11

		1	2	K
CORRELATOR BLOCK #0	CORRELATOR #0	$D_0 U_0$	$D_1 U_0$	$D_{K-1} U_0$
	CORRELATOR #1	$D_K U_0$	$D_{K+1} U_0$	$D_{2K-1} U_0$
	CORRELATOR #2	$D_{2K} U_0$	$D_{2K+1} U_0$	....	$D_{3K-1} U_0$
	:	:	:	:
	CORRELATOR #L/(n·K)	$D_{L/n} U_0$	$D_{L/n+1} U_0$	....	$D_{L/n+K-1} U_0$
CORRELATOR BLOCK #1	CORRELATOR #0	$D_{-1} U_1$	$D_0 U_1$	....	$D_{K-2} U_1$
	CORRELATOR #1	$D_{K-1} U_1$	$D_K U_1$	....	$D_{2K-2} U_1$
	CORRELATOR #2	$D_{2K-1} U_1$	$D_{2K} U_1$	....	$D_{3K-2} U_1$
	:	:	:	:
	CORRELATOR #L/(n·K)	$D_{L/n-1} U_1$	$D_{L/n} U_1$	....	$D_{L/n+K-2} U_1$
≈ : ≈		≈ : ≈	≈ : ≈	≈ : ≈	≈ : ≈
CORRELATOR BLOCK #K-1	CORRELATOR #0	$D_{-(K-1)} U_{K-1}$	$D_{-K+2} U_{K-1}$	....	$D_0 U_{K-1}$
	CORRELATOR #1	$D_1 U_{K-1}$	$D_2 U_{K-1}$	....	$D_K U_{K-1}$
	CORRELATOR #2	$D_{K+1} U_{K-1}$	$D_{K+2} U_{K-1}$	....	$D_{2K} U_{K-1}$
	:	:	:	:
	CORRELATOR #L/(n·K)	$D_{L/n-(K-1)} U_{K-1}$	$D_{L/n-K+2} U_{K-1}$	....	$D_{L/n} U_{K-1}$

FIG . 12

